## EAST Search History

| Ref<br># | Hits    | Search Query                                                                                                                                                                                                                                                                                                                      | DBs                                                     | Default<br>Operator | Plurals | Time Stamp          |
|----------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|---------|---------------------|
| L1       | 4218626 | (microelectronic or ultra adj<br>sound or transducer) and<br>measur\$3 adj deformat\$3 and<br>(substrate or wafer\$ or chip\$1<br>or semiconductor\$1) and<br>(initial or second) state                                                                                                                                           | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/09/19<br>14:55 |
| L2       | 3065655 | L1 and (@ad<"20020718" or<br>@rlad<"20020718" or<br>@prad<"20020718" or<br>@ptad<"20020718")                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/09/19<br>14:59 |
| <u></u>  | 45      | L2 and analysis and (microelectronic or ultra adj sound or transducer) and measur\$3 adj deformat\$3 and (substrate or wafer\$ or chip\$1 or semiconductor\$1 or package adj device) and (detect \$3 or determining) and (stresses or delamination or hotspots or cracking) and (multiple adj layers or area or regions)          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/09/19<br>15:05 |
| L4       | 47      | L2 and analysis and (microelectronic or ultra adj sound or transducer) and measur\$3 adj deformat\$3 and (substrate or wafer\$ or chip\$1 or semiconductor\$1 or package adj device) and(detect \$3 or determining) and (stresses or delamination or hotspots or cracking or strain) and (multiple adj layers or area or regions) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/09/19<br>15:06 |
| L5       | 47      | L4 and (@ad<"20020718" or<br>@rlad<"20020718" or<br>@prad<"20020718" or<br>@ptad<"20020718")                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/09/19<br>15:06 |
| L6       | 28      | L4 and @ad<"20020718"                                                                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/09/19<br>15:06 |

| L7         | 0  | L2 and analysis and (microelectronic or ultra adj sound or transducer) and measur\$3 adj deformat\$3 and (substrate or wafer\$ or chip\$1 or semiconductor\$1 or package adj device) and (detect \$3 or determining) and (stresses or delamination or hotspots or cracking or strain or thermal) and (multiple adj layers or area or regions) and (sub adj image\$1 or subimage \$1) and correlation and (array or matrics) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:10 |
|------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| <u>L</u> 8 | 0  | L2 and analysis and (microelectronic or ultra adj sound or transducer)and measur\$3 adj deformat\$3 and (substrate or wafer\$1 or chip \$1 or semiconductor\$1 or package adj device)and(detect \$3 or determining)and (stresses or delamination or hotspots or cracking or strain or thermal)and(multiple adj layers or area or regions)and (sub adj image\$1 or subimage \$1)and correlation and(array or matrics)        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:10 |
| L9         | 16 | L2 and analysis and (microelectronic or ultra adj sound or transducer)and measur\$3 adj deformat\$3 and (substrate or wafer\$1 or chip \$1 or semiconductor\$1 or package adj device)and(detect \$3 or determining)and (stresses or delamination or hotspots or cracking or strain or thermal)and(multiple adj layers or area or regions)and correlation and(array or matrics)                                              | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:11 |
| L10        | 16 | L9 and (@ad<"20020718" or<br>@rlad<"20020718" or<br>@prad<"20020718" or<br>@ptad<"20020718")                                                                                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:11 |
| L11        | 8  | L10 and @ad<"20020718"                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:11 |

| L12 | 60 | L2 and analysis and (microelectronic or ultra adj sound or transducer)and measur\$3 adj deformat\$3 and (substrate or wafer\$1 or chip \$1 or semiconductor\$1 or package adj device)and(detect \$3 or determining)and (stresses or delamination or hotspots or cracking or strain or thermal)and(multiple adj layers or area or regions)                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:14 |
|-----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| L13 | 32 | L12 and @ad<"20020718"                                                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:14 |
| L14 | 10 | ((CHUNG) near2 (SEE)).INV.                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT                                      | OR | ON | 2008/09/19<br>15:22 |
| L15 | 4  | ((MICHAEL) near2 (SOMEKH)).<br>INV.                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT                                      | OR | ON | 2008/09/19<br>15:22 |
| L16 | 1  | ((MARK) near2 (PITTER)).INV.                                                                                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT                                      | OR | ON | 2008/09/19<br>15:23 |
| L17 | 1  | L14 and analysis and (microelectronic or ultra adj sound or transducer)and measur\$3 adj deformat\$3 and (substrate or wafer\$1 or chip \$1 or semiconductor\$1 or package adj device)and(detect \$3 or determining)and (stresses or delamination or hotspots or cracking or strain or thermal adj image\$1)and (multiple adj layers or area or regions) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:24 |
| L18 | 1  | L15 and analysis and (microelectronic or ultra adj sound or transducer)and measur\$3 adj deformat\$3 and (substrate or wafer\$1 or chip \$1 or semiconductor\$1 or package adj device)and(detect \$3 or determining)and (stresses or delamination or hotspots or cracking or strain or thermal adj image\$1)and (multiple adj layers or area or regions) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:25 |

| L19     | 1  | L16 and analysis and (microelectronic or ultra adj sound or transducer)and measur\$3 adj deformat\$3 and (substrate or wafer\$1 or chip \$1 or semiconductor\$1 or package adj device)and(detect \$3 or determining)and (stresses or delamination or hotspots or cracking or strain or thermal adj image\$1)and (multiple adj layers or area or regions) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | <b>N</b> | 2008/09/19<br>15:25 |
|---------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----------|---------------------|
| 20      | 90 | or ("5707925") or ("5940111")                                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF      | 2008/09/19<br>15:26 |
| L21     | 90 | L20 and @ad<"20020718"                                                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON       | 2008/09/19<br>15:26 |
| <u></u> | 0  | L21 and analysis and (microelectronic or ultra adj sound or transducer)and measur\$3 adj deformat\$3 and (substrate or wafer\$1 or chip \$1 or semiconductor\$1 or package adj device)and(detect \$3 or determining)and (stresses or delamination or hotspots or cracking or strain or thermal adj image\$1)and (multiple adj layers or area or regions) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON       | 2008/09/19<br>15:26 |

| L23 | 0 | \$4 adj deformat\$3 and (substrate or wafer\$1 or chip \$1 or semiconductor\$1 or package adj device or microelectronic or ultra adj sound or transducer)and (detect\$3 or determining)and (stresses or delamination or hotspots or cracking or strain or thermal adj image\$1) and (multiple adj layers or area or regions)         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:28 |
|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| 24  | 0 | L21 and measur\$4 adj deformat\$3 and(substrate or wafer\$1 or chip\$1 or semiconductor\$1 or package adj device or microelectronic or ultra adj sound or transducer)and(detect\$3 or determining)and(stresses or delamination or hotspots or cracking or strain or thermal adj image\$1)and(multiple adj layers or area or regions) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:28 |
| 25  | 0 | L21 and deformat\$3 and (substrate or wafer\$1 or chip \$1 or semiconductor\$1 or package adj device or microelectronic or ultra adj sound or transducer)and (detect\$3 or determining)and (stresses or delamination or hotspots or cracking or strain or thermal adj image\$1)and (multiple adj layers or area or regions)          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:28 |
| L26 | 0 | L21 and deformat\$3 and (substrate or wafer\$1 or chip \$1 or semiconductor\$1 or package adj device or microelectronic or ultra adj sound or transducer)and (stresses or delamination or hotspots or cracking or strain or thermal adj image\$1)and (multiple adj layers or area or regions)                                        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:28 |
| L27 | 1 | L21 and deformat\$3 and (substrate or wafer\$1 or chip \$1 or semiconductor\$1 or package adj device or microelectronic or ultra adj sound or transducer)                                                                                                                                                                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/19<br>15:29 |

| L28 | 1      | L27 and @ad<"20020718"                                                                                                                                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/19<br>15:29 |
|-----|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|-----|---------------------|
| L29 | 137693 | deformat\$3 and(substrate or<br>wafer\$1 or chip\$1 or<br>semiconductor\$1 or package<br>adj device or microelectronic<br>or ultra adj sound or<br>transducer) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/19<br>15:30 |
| L30 | 3      | "6516084".pn.                                                                                                                                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/19<br>15:38 |
| L31 | 2      | L30 and @ad<"20020718"                                                                                                                                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/19<br>15:38 |
| L32 | 6      | (("(5386117") or ("5637871")<br>or ("6447460") or ("6606115).<br>pn.")).PN.                                                                                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/19<br>15:49 |
| L33 | 6      | L32 and @ad<"20020718"                                                                                                                                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/19<br>15:49 |

9/19/08 4:24:32 PM